

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 3882

Name: Samuel Gary Jr & Associates, Inc.

Address 1775 Sherman Street, Suite 1925

City/State/Zip Denver, Colorado 80203

Purchaser: None

Operator Contact Person: Steve Fredrickson

Phone (303) 623-0070

Contractor: Name: Brandt Drilling

License: _____

Wellsite Geologist: Tim McKoy

Designate Type of Completion
 New Well _____ Re-Entry _____ Workover _____

_____ Oil _____ SWD _____ SIOW _____ Temp. Abd.
_____ Gas _____ ENHR _____ SIGW _____
 Dry _____ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

_____ Deepening _____ Re-perf. _____ Conv. to Inj/SWD
_____ Plug Back _____ PBTB
_____ Commingled _____ Docket No. _____
_____ Dual Completion _____ Docket No. _____
_____ Other (SWD or Inj?) _____ Docket No. _____

1-21-92 2-7-92 2-10-92
Spud Date Date Reached TD Completion Date

API NO. 15- 033-20, 840-0000

ORIGINAL

County Comanche

 - NW - NW - SW Sec. 5 Twp. 34S Rge. 20 E

1906 ²⁰⁰⁰ Feet from N (circle one) Line of Section

660 Feet from E (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or (circle one)

Lease Name Butts Well # 5-12

Field Name First Snow

Producing Formation N/A

Elevation: Ground 1775 ft KB 1781 ft

Total Depth 6700 feet PBTB _____

Amount of Surface Pipe Set and Cemented at 676 Feet

Multiple Stage Cementing Collar Used? _____ Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cnt.

Drilling Fluid Management Plan D&A JH 7-12-94
(Data must be collected from the Reserve Pit)

Chloride content 12,000 ppm Fluid volume 2000 bbls

Dewatering method used Hauled offsite

Location of fluid disposal if hauled offsite: _____

Operator Name KBW

Lease Name Harmon SWD #1 License No. _____

 NW Quarter Sec. 11 Twp. 33 S Rng. 20 E

County Comanche Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Samuel Gary Jr.
Title President Date 04/22/92

Subscribed and sworn to before me this 22nd day of April
19 92.

Notary Public Joan Lucero

Date Commission Expires MY COMMISSION EXPIRES JAN. 21, 1996

RECEIVED 04-27-92
STATE CORPORATION COMMISSION
K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Wichita, Kansas
DISTRIBUTION DIVISION
 KCC _____ SWD/Rep _____ NGPA
 KGS _____ Plug _____ Other
(Specify)

Operator Name Samuel Gary Jr. & Associates, Inc. Lease Name Butts Well # 5-12

PAVING

East

County Commanche

Sec. 5 Twp. 34S Rge. 20

West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	KB Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Stone Corral	805	+ 976
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Wabaunsee	3260	-1479
List All E.Logs Run:		Stark	4811	-3030
		Marmaton	4948	-3167
		Chester	5260	-3479
		Osage	5930	-4149
		Viola	6332	-4551
		Simpson	6530	-4749
		Arbuckle	6640	-4859

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface casing	12 1/4	8 5/8	23	676	60/40 Poz	325	2% Gel 3% CaCl

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
Perforate				
Protect Casing	40'	60/40 Poz	10	6% Gel
<input checked="" type="checkbox"/> Plug Back TD	425'	60/40 Poz	50	6% Gel
Plug Off Zone	850'	60/40 Poz	50	6% Gel

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.		Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)				
Estimated Production Per 24 Hours		Oil <u>N/A</u> Bbls.	Gas <u>N/A</u> Mcf	Water <u>N/A</u> Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas:	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, submit ACO-18.)	<input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	_____

DRILL STEM TEST #1

Halliburton ran conventional open hole test of Morrow sandstone.

TEST INTERVAL: 5214' - 5263' rig depth; 5211' - 5260' log depth.

PACKERS:

Upper Packer: 5208'
Lower Packer: 5214'
TD at Test: 5263'

PRESSURES & TIMES: Recorder Depth: 5260'

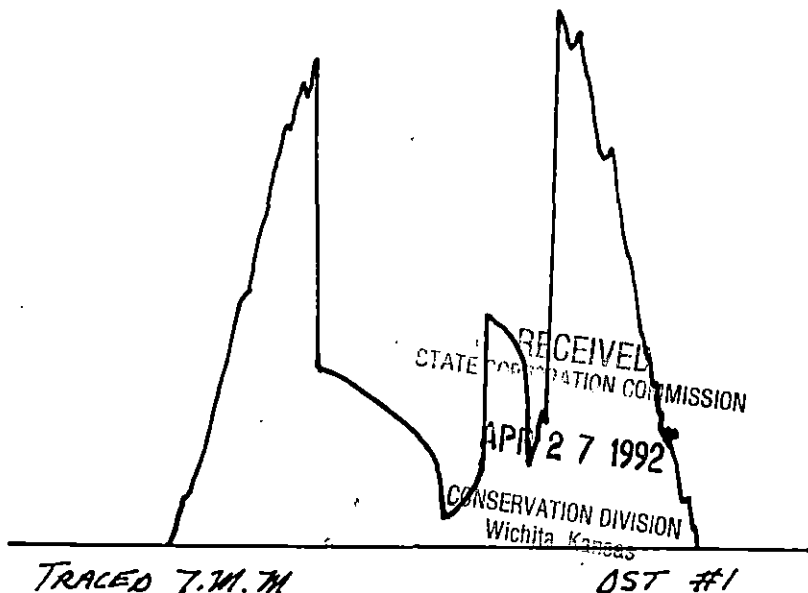
Initial Hydrostatic: 2682 psi
Initial Flow: 722 psi to 395 psi 15 min
Initial Shut-In: 1191 psi 30 min
Final Flow: 405 psi to 115 psi 30 min
Final Shut-In: 904 psi 90 min
Final Hydrostatic: 2395 psi

RECOVERY: 100 ft of mud

SAMPLER: 185 psi 1.202 cu. ft. of gas
0 cc oil
0 cc water

BLOW: Opened with a strong blow. Gas to surface in 1 1/2 min.
On 1 1/2 inch choke, 3633 MCFPD at 5 min, 3334 MCFPD at 10 min, 2737 MCFPD at 15 min. Reopened with gradual increase to 2075 MCFPD at 5 min, 2012 MCFPD at 10 min, 1348 MCFPD at 20 min, 953 MCFPD at 30 min.

TEMPERATURE: 110 deg F



Samuel Gary, Jr. & Associates, Inc.
Butts #5-12

DRILL STEM TEST #2

ORIGINAL

Halliburton ran hookwall straddle test of uppermost Viola "B" after logs.

TEST INTERVAL: 6293' - 6354' drilling time, 6290' - 6351' log depth.
Note: Depths reflect hookwall actually set 2 ft deeper than shown on Halliburton reports.

PACKERS:
Upper Packer: 6284'
Upper Packer: 6290'
Lower Packer: 6351'
Lower Packer: 6357'
Hookwall: 6412'

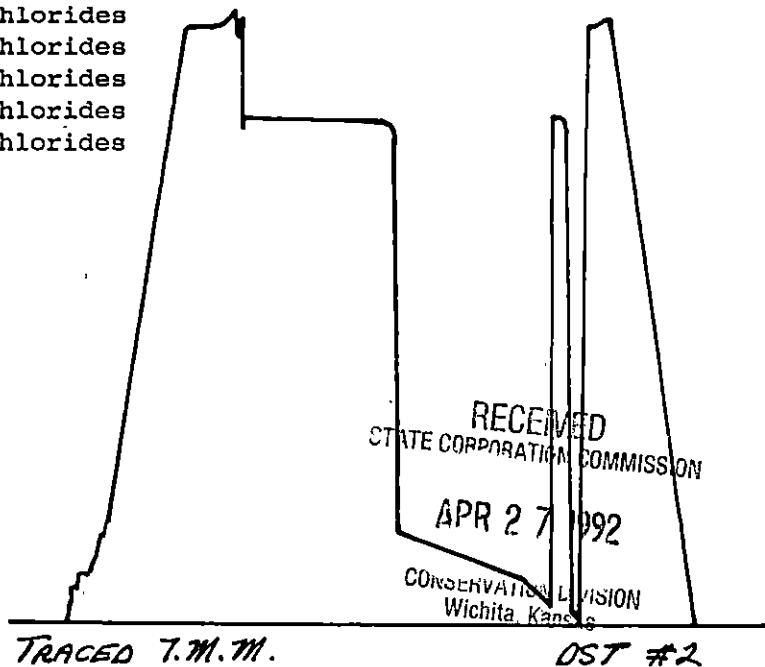
PRESSURES & TIMES: Recorder Depth: 6343'
Initial Hydrostatic: 3045 psi
Initial Flow: 38 psi to 96 psi 15 min
Initial Shut-In: 2586 psi 30 min
Final Flow: 96 psi to 482 psi 240 min
Final Shut-In: 2576 psi 240 min
Final Hydrostatic: 3045 psi

RECOVERY: 830 ft of salt water (mostly filtrate?)

SAMPLER: 280 psi 0.355 cu. ft. of gas
0 cc oil
0 cc mud
2300 cc water

BLOW: Opened with very weak blow, 2 1/2" in bucket at 15 min.
Reopened with very weak blow, 4" in bucket at 50 min
and through remainder of test. No gas to surface.

APPARENT SALINITY:
Pit Mud: 12000 ppm chlorides
Top Sample: 35000 ppm chlorides
Middle Sample: 35600 ppm chlorides
Bottom Sample: 45800 ppm chlorides
Sampler: 45600 ppm chlorides



Samuel Gary, Jr. & Associates, Inc.
Butts #5-12

DRILL STEM TEST #3

ORIGINAL

Halliburton ran hookwall straddle test of Chester sandstone after logs.

TEST INTERVAL: 5279' - 5325' drilling time, 5276' - 5322' log depth.

PACKERS:

Upper Packer: 5266'
Upper Packer: 5276'
Lower Packer: 5322'
Lower Packer: 5328'
Hookwall: 5432'

PRESSURES & TIMES:

Recorder Depth: 5316'
Initial Hydrostatic: 2739 psi
Initial Flow: 164 psi to 366 psi 10 min
Initial Shut-In: 1937 psi 30 min
Final Flow: 395 psi to 942 psi 90 min
Final Shut-In: 1822 psi 180 min
Final Hydrostatic: 2614 psi

RECOVERY:

500 ft of water cut mud and muddy salt water
1500 ft of clear gassy salt water
2000 ft total fluid

SAMPLER:

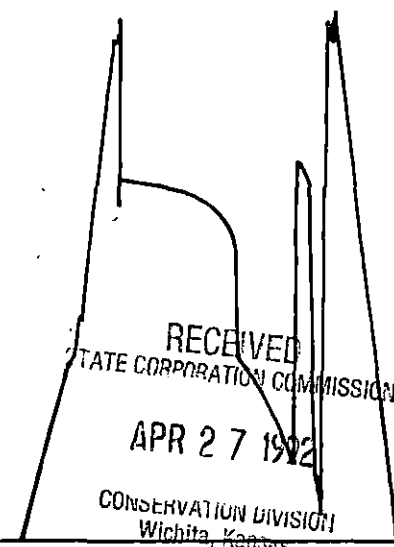
480 psi 0.285 cu. ft. of gas
0 cc oil
0 cc mud
2400 cc water

BLOW:

Opened with weak blow, bottom of bucket in 2 min, increasing to good blow from bottom of bucket at 10 min. Reopened with weak blow, bottom of bucket in 3 min. On 1/8" choke, 20 oz at 20 min decreasing to 5 3/4 oz at 90 min. No gas to surface.

APPARENT SALINITY:

Pit Mud: 12000 ppm chlorides
Top Sample: 33000 ppm chlorides
Middle Sample: 67600 ppm chlorides
Bottom Sample: 80300 ppm chlorides
Sampler: 84000 ppm chlorides



RECEIVED
STATE CORPORATION COMMISSION
APR 27 1942
CONSERVATION DIVISION
Wichita, Kansas

TRACED 7.M.M. DST #3

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31
RUSSELL, KANSAS 67665

JAN 28 '92

TO: Brandt Drilling Co. Inc.
200 W. Douglas #700
Wichita, Kansas 67202

INVOICE NO. 61163

PURCHASE ORDER NO. _____

ORIGINAL

LEASE NAME Butts 5-12

DATE Jan. 22, 1992

SERVICE AND MATERIALS AS FOLLOWS:

Common 195 sks @\$5.25	\$ 1,023.75	
Pozmix 130 sks @\$2.25	292.50	
Chloride 10 sks @\$21.00	<u>210.00</u>	\$ 1,526.25
Handling 325 sks @\$1.00	325.00	
Mileage (60) @\$0.04c per sk per mi	780.00	
Surface	380.00	
376' @\$0.39c per sk per mi	146.64	
Mi @\$2.00 pmp. trk.	120.00	
1 plug	<u>42.00</u>	1,793.64
2 8 5/8" cent.	122.00	
1 basket	<u>180.00</u>	<u>302.00</u>

If account CURRENT 15% discount will be allowed ONLY if paid within 30 days from date of invoice.

Total \$ 3,621.89

Cement circ.

THANK YOU

All Prices Are Net, Payable 30 Days Following Date of Invoice. 1 1/2% Charged Thereafter.

RECEIVED
STATE CORPORATION COMMISSION

APR 27 1992

CONSERVATION DIVISION
Wichita, Kansas

Phone 913-483-2627, Russell, Kansas
 Phone 316-793-5861, Great Bend, Kansas

ORIGINAL

Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

2570

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date <i>2-10-92</i>	Sec. <i>5</i>	Twp. <i>34</i>	Range <i>20</i>	Called Out <i>12:30 AM</i>	On Location <i>5:00 AM</i>	Job Start <i>10:30 AM</i>	Finish <i>12 AM</i>
Lease <i>BUTTS</i>	Well No. <i>5-12</i>	Location <i>Protection 2w m 160 5 1/2 sec</i>			County <i>Comanche</i>	State <i>KS</i>	

Contractor <i>Brandt Drilling Rig #2</i>	
Type Job <i>ROTARY PLUG</i>	
Hole Size <i>7 3/8</i>	T.D. <i>6700 ft</i>
Csg.	Depth
Tbg. Size	Depth
Drill Pipe <i>4 1/2</i>	Depth <i>850 ft</i>
Tool	Depth
Cement Left in Csg.	Shoe Joint
Press Max.	Minimum
Meas Line	Displace
Perf.	

Owner
 To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To *Sam Marx Jr.*
 Street
 City State
 The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.
 X *M. Freeman*
CEMENT
Thank you 455

Amount Ordered *135 6/10 679.1*

Consisting of	
Common	
Poz. Mix	
Gel.	
Chloride	
Quickset	
Sales Tax	

EQUIPMENT
Great Bend

No.	Cementer	<i>Mike</i>
Pumptrk <i>120</i>	Helper	<i>Diana</i>
No.	Cementer	
Pumptrk	Helper	
	Driver	<i>Kent</i>
Bulktrk <i>101</i>	Driver	

DEPTH of Job *450 ft*

Reference:	<i>PUMP Truck charge</i>	
	<i>mileage charge</i>	
<i>1</i>	<i>old Hole Plug</i>	
	Sub Total	
	Tax	
	Total	

Handling	
Mileage	
Sub Total	
Total	
Floating Equipment	

Remarks: *mixed 50 mt at 450 ft*
50 mt at 425 ft
10 mt at 40 ft
15 mt at Pot Hole
10 mt at mouse Hole
 Allied Cementing Co. Inc
Mike Marshall

RECEIVED
 STATE CORPORATION COMMISSION
 APR 27 1992
 CONSOLIDATED DIVISION
 Wichita, Kansas

Samuel Gary Jr. & Associates, Inc.

1775 Sherman Street, Suite 1925, Denver, CO 80203 (303)831-4673

April 24, 1992

ORIGINAL

Kansas Corporation Commission
Conservation Division
200 Colorado Derby Bldg.
202 W. 1st Street
Wichita, KS 67202-1286

Re: Form ACO-1 (7/91)
Well Completion Form
Butts 5-12 Well, 5-T34S-R20W
Comanche County, Kansas

Gentlemen:

Pursuant to KCC regulations please find enclosed the above referenced Well Completion form. Also enclosed are the BPB Electric Logs: Borehole Compensated Sonic Integrated Transit Time Log; Array Induction Shallow focused Electric Log and Compensated Neutron Compensated Photo-Density Log. If everything appears to be in order, please process the completion form returning an approved copy for our files.

If you have any questions, please feel free to contact Mr. Steve Fredrickson at (303) 623-0070.

SAMUEL GARY JR. & ASSOCIATES, INC.

Joan S. Lucero

Joan S. Lucero
Secretary

/jsl

RECEIVED
STATE CORPORATION COMMISSION
APR 27 1992
CONSERVATION DIVISION
Wichita, Kansas